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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/803,657	03/12/2001	Hiroshi Ohmura	Q63461	6598

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EXAMINER

JACKSON, BLAINE J

ART UNIT

PAPER NUMBER

2685

DATE MAILED: 07/16/2003

5

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/803,657

Applicant(s)

OHMURA ET AL.

Examiner

Blane J Jackson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) ____ is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mack, II et al. (U.S. Patent 6,510,325) and further in view of Erkkila et al. (U.S. Patent 6,480,724).

3. As to claims 1, 2, 3, and 7-9, Mack teaches a communications device with features offered for inclusion in a modular fashion that includes a cellular telephone, imaging camera, a first active matrix color display and keypad to support cellular calls and videophone (column 4, lines 13-56). Mack further teaches that the communication device may include a second active matrix screen to display videophone images or images from an external computer where the first display may be fabricated with a less expensive liquid crystal display (LCD). Mack teaches this LCD would be used to display

received and keypad generated character type data typical to normal cellular telephone usage including character data including a dialed telephone number, caller ID, signal strength and battery status (figure 7, column 8, lines 38-51). Mack further teaches an optional touch pad control as a useful pointing device for menu driven control of the communication device functions for the second full range screen (figure 3b, column 6, lines 34-59). Mack points out that the communication device may be implemented in several different configurations where the touch pad may be replaced with an AM/FM radio or other desirable feature (column 10, line 56 to column 11, line 12). However, Mack is silent as to a communication device that stores (captured) image data received by the communicating device for subsequent display.

Erkkila teaches a host device including a cellular telephone that accepts one or two expansion cards to add desirable functionality. Erkkila teaches operation of an expansion card camera where the picture data may be stored in the host device for later display or transmission (figure 6, column 7, line 47 to column 8 line 16). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the configuration of Mack to include storage of image data for later display or transmission since Mack includes the appropriate controls, display and camera necessary for image control as taught by Erkkila.

4. As to claims 4 and 5, Mack teaches a dual screen communications device where the first screen is an inexpensive LCD for the presentation of dark characters on a light

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background, essentially a black and white contrast as is well known in the art and a second full range graphic active matrix display (column 4, lines 24-42) to show images.

5. As to claim 6, with reference to claim 1, Mack teaches that the communications device has mode selection (by button press) where the modes of operation include videophone, (computer) terminal, telephone or AM/FM radio (column 4, lines 48-56 and column 8, lines 38-50). Mack is silent as to feature operation with relationship to the power drain on the battery. However, it would have been obvious to one of ordinary skill at the time of the invention to disable unused portions of the communications device, such as either display (and the AM/FM radio) while in telephone or terminal mode to reduce current drain from the limited life of the usual portable battery.

6. As to claim 10 with reference to claim 1, Mack discloses a telephone/ videophone/ AM/FM radio communications device designed to be reconfigured to accept any desirable combinations of features but does not teach a connecting device connected to a printer with the ability to output image data of the image displayed on the host device. Erkkila teaches a host device with a cellular telephone that will accept an expansion card camera with a second expansion card connector socket for a second card that can be added to the camera module. Erkkila teaches that the second card can include a processor, memory etc. to control the expansion card(s) (figure 6) or rely on all control and data storage from the device host (figure 7, lines 17-62). Erkkila also discloses that when the camera is operating, the image is presented till the user

depresses a button to capture the instant image for compression and storage (column 8, line 62 to column 9, line 8). Finally, Erkkila also teaches providing a printer interface comprising a connector outside the host device where the expansion card includes the printer interface control software (column 4, line 62 to column 5, line 7). It would have been obvious to one skilled in the art at the time of the invention to include in the multi function configuration of Mack the additional expansion card printer port example of Erkkila to provide another handy feature that advantageously utilizes existing features as taught by both Mack and Erkkila.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kikinis (U.S. Patent 6,243,596) teaches a cellular telephone where the battery pack is exchanged for an assembly with battery and circuits for Internet access. Phillipps (U.S. 6,337,914) teaches a portable electronic apparatus (a PDA) with display, video camera and ports for I/O devices. Silverbrook et al. (U.S. Patent 6,405,055) teaches a mobile phone device with an integral print apparatus. Monroe et al. (U.S. Patent 6,181,954) teaches a cellular telephone for image capture, conversion, compression storage and transmission of video image signals.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Blane J Jackson whose telephone number is (703) 305-

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5291. The examiner can normally be reached on Monday through Friday, 8:00 AM-5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on (703) 305-4385. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 812-9314 for regular communications and (703) 812-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (703) 306-0377.

BJ
July 11, 2003


EDWARD F. URBAN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600